MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

OCTOBER, 1929

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

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OCTOBER 1929
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm +..				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	63.5	62.4	62.6	62.8	29.7	20.6	24.1	25.3	21.5	23.6
2	2.5	2.3	3.4	2.7	26.9	18.3	24.5	25.6	20.8	23.6
3	4.1	3.4	3.6	3.7	26.1	18.9	23.6	25.3	23.5	24.1
4	3.6	2.6	3.2	3.1	26.0	21.4	24.3	25.8	23.3	24.8
5	3.0	2.0	3.4	2.8	26.8	17.2	24.8	26.7	21.0	24.1
6	63.4	62.8	62.5	62.9	27.2	19.6	24.6	26.2	22.2	24.3
7	2.5	1.5	1.7	1.9	27.0	19.2	23.8	26.1	22.4	24.1
8	1.4	0.8	1.7	1.3	26.8	19.4	24.3	25.8	23.3	24.5
9	1.6	0.6	0.9	1.0	27.0	17.2	25.4	26.5	23.8	25.2
10	0.4	58.8	58.4	59.2	27.5	20.8	25.6	27.3	24.5	25.8
11	58.4	57.1	57.8	57.7	29.1	20.8	26.5	29.4	24.0	26.6
12	8.6	7.9	8.0	8.2	30.2	22.2	25.5	27.3	22.2	25.0
13	6.8	5.8	7.4	6.7	28.2	21.0	24.6	27.4	23.0	25.0
14	60.2	60.7	63.0	61.3	28.3	19.4	23.9	25.2	20.9	23.3
15	2.4	1.3	2.3	2.0	26.0	19.3	25.3	25.6	20.0	23.6
16	61.7	60.6	61.8	61.4	27.0	19.2	24.7	25.2	20.8	23.6
17	2.1	1.3	2.1	1.8	26.1	18.4	23.3	24.7	20.4	22.8
18	2.0	0.9	2.2	1.7	25.6	18.6	23.7	25.6	21.3	23.5
19	2.7	1.8	2.4	2.3	26.7	16.9	23.2	24.2	22.3	23.2
20	3.3	2.7	3.4	3.1	25.6	19.3	23.4	24.2	22.5	23.4
21	64.3	63.7	64.5	64.2	25.6	19.4	24.3	24.8	23.6	24.2
22	4.4	2.8	2.7	3.3	26.4	21.1	24.1	24.8	23.2	24.0
23	2.1	0.6	1.3	1.3	26.1	22.2	23.6	24.1	22.0	23.2
24	3.2	2.4	2.7	2.8	25.1	18.4	23.2	24.8	20.7	22.9
25	4.2	2.1	3.1	3.1	25.4	19.4	23.4	24.7	21.7	23.3
26	63.3	61.4	63.0	62.6	25.6	19.4	23.9	26.1	23.7	24.6
27	3.4	1.6	3.0	2.7	26.4	21.7	25.9	25.6	23.9	25.1
28	2.2	0.7	0.9	1.3	27.0	22.2	24.7	25.9	23.1	24.6
29	59.9	58 3	58.0	58.7	27.3	22.5	26.1	27.6	25.9	26.5
30	9.4	9.3	60.6	9.8	29.2	21.7	24.5	25.8	21.9	24.1
31	62.4	61.9	3.4	62.6	26.4	19.9	22.4	24.7	22.8	23.3
	62.03	61.03	61.80	61.61	26.90	19.86	24.37	25.75	22.46	24.19

Barometer, Range for month 755.8-764.5 m.m.
" 50-yr. average for month 761.47 m.m.
Thermometer, Range for month 16.°9-30.°2
" 50-yr. average for month 24.°48
Rain, total for month 28 75 m.m.
" , 50-yr average for month 52.58m.m.
" , total. Sept. 1st to end of month 33.07m.m.
" , 50-yr average, Sept. 1st to end of month. 59.95m.m.

OCTOBER 1929

METEOROLOGICAL REGISTER

Date	Wet Bulb Cent			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun	Rain
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	hrs.	m.m.
1	17.8	19.1	16.6	11.4	12.5	11.0	11.6	51	52	57	53	7.2	
2	19.1	19.3	17.2	12.9	12.7	12.2	12.6	57	52	66	58	10.0	4.93
3	17.4	18.7	18.2	11.2	12.0	12.2	11.8	52	50	56	53	11.0	
4	18.4	19.2	17.6	12.1	12.5	11.5	12.0	54	50	54	53	10.8	
5	17.8	18.5	16.3	11.2	11.1	11.0	11.1	48	42	59	50	10.6	
6	17.8	19.6	18.3	11.2	12.8	13.1	12.4	48	50	65	54	11.0	
7	18.2	19.7	17.7	12.0	12.9	12.0	12.3	54	51	59	55	10.8	
8	19.0	20.9	18.9	12.9	14.9	14.0	13.9	57	60	62	60	10.8	
9	19.2	21.8	20.9	12.6	16.0	16.3	15.0	53	61	75	63	10.8	
10	19.8	22.3	20.2	13.5	16.4	14.6	14.8	54	61	65	60	10.6	
11	22.3	21.3	22.4	16.7	13.6	18.8	16.4	65	44	85	65	10.5	
12	22.6	23.0	21.5	18.1	17.5	18.4	18.0	75	65	93	78	10.0	
13	20.2	22.1	21.2	14.2	15.8	17.2	15.7	63	59	83	68	10.2	
14	18.1	18.2	16.7	11.8	11.4	11.4	11.5	54	48	62	55	7.8	3.25
15	17.6	20.1	16.3	10.7	13.8	11.2	11.9	44	56	61	54	7.6	
16	18.4	19.4	17.1	11.8	12.7	12.0	12.2	51	54	65	57	8.0	
17	17.9	19.1	17.7	11.9	12.7	13.2	12.6	56	55	74	62	10.5	0.76
18	17.8	19.9	18.3	11.6	11.1	11.1	11.3	53	56	71	60	8.0	
19	18.3	19.7	19.5	12.5	14.0	14.8	13.8	60	62	75	66	9.8	19.81
20	19.7	19.7	19.4	14.4	13.2	14.5	14.0	68	58	72	66	10.4	
21	18.8	20.4	19.3	12.6	14.8	13.7	13.7	57	63	63	61	10.3	
22	17.6	20.9	20.4	11.2	15.8	15.8	14.3	50	69	76	65	9.4	
23	18.4	19.8	18.4	12.4	14.2	13.4	13.3	56	64	68	63	10.2	
24	18.6	19.8	18.6	13.0	13 8	14.4	13.7	61	59	79	66	10.0	
25	19.7	20.8	20.1	14.5	15.4	16.8	15.6	68	67	84	73	4.8	
26	21.4	19.8	20.4	17.0	11.6	15.6	14.7	77	46	71	65	1.2	
27	19.2	21.3	20.9	14.0	15.8	16.1	15.3	56	65	72	64	10.0	
28	20.2	21.5	17.1	14.5	15.9	11.0	13.8	63	63	51	59	7.2	
29	19.2	21.9	18.9	12.2	15.5	12.0	13.2	49	57	48	51	10.2	
30	21.6	22.3	20.2	17.0	17.3	16.1	16.8	75	70	83	76	9.6	
31	20.6	21.3	20.8	16.6	16.3	16.8	16.6	83	71	82	79	9.8	
	19.12	20.37	18.94	13.22	14.06	13.94	13.74	58.4	57.4	68.9	61.7	9.32	0.93

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 2 hours equals G. C. T.

50-year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	3str ci	8cicu	6ni	5.7	0	4s	1s	241.4	mod.	hv.d. tr.p.m.
2	6ni cu	3cu	2cu	3.7	2s	3sw	0	179.7	light	
3	1cu	1cu	1cu	1.0	2e	3e	2ne	226.1	mod.	
4	8ci	1cu	1cu	3.3	3e	2n	3ne	94.8	light	
5	3ci	2cicu	0	1.7	0	3sw	0	198.7	,,	
6	1cu	1cu	0	0.7	0	1nw	0	184.7	,,	
7	0	0	0	0.0	0	1sw	0	61.7	calm	
8	0	0	0	0.0	1e	1ne	3n	128.2	light	
9	0	0	0	0.0	0	0	0	137.2	calm	gentle br.
10	0	0	0	0.0	0	1ne	0	26.2	,,	
11	2ci	1str	0	1.0	0	0	0	43.7	,,	
12	0	1ci	3ci	1.3	2sw	0	0	320.0	slight	lunar halo
13	0	1ci	2cicu	1.0	0	0	1sw	93.6	calm	
14	6ci cu	4ci	0	3.3	3s	5s	4s	639.9	rough	mist
15	0	6nicu	2strcu	2.7	2s	5s	2s	494.9	,,	mist a.m.
16	4str cu	3strcu	0	2.3	2se	3s	0	387.3	mod.	tr. rain
17	4ci cu	2cicu	0	2.0	1s	1w	0	278.9	light	
18	4str ci	8strcu	10ni	7.3	0	1e	1s	29.6	calm	tr. rain
19	2ci	4ci	0	2.0	0	2nw	1ne	142.2	light	
20	0	1ci	0	0.3	0	2ne	1n	84.0	calm	
21	1ci	1cu	0	0.7	1ne	2n	3n	104.9	light	
22	1cicu	2ci	4cicu	1.3	0	3n	3n	170.9	mod.	
23	0	0	0	0.0	2n	2n	1n	239.8	,,	
24	1cu	2cicu	0	1.0	0	0	0	66.2	calm	haze a.m.
25	6cicu	6cicu	0	4.0	0	1ne	0	78.8	,,	lunar halo
26	10ci	10nicu	0	6.7	1e	1e	2n	148.8	light	tr. rain
27	1cu	0	0	0.3	1n	3n	4n	244.0	mod.	
28	0	6cicu	0	2.0	1ne	0	0	126.6	light	
29	3cicu	2ci	0	1.7	0	1se	0	104.1	calm	
30	0	1cicu	0	0.3	0	0	0	218.7	light	haze ( )
31	2ci	1cu	8cini	3.7	0	0	1e	90.0	calm	haze ( )
				1.97				180.18		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	2	2	4	1	4	1	0	0	17
14:30	5	4	3	1	4	3	1	2	8
20.30	7	3	1	0	4	1	0	0	15
Totals	14	9	8	2	12	5	1	2	40

Number of days with rain 4, fog 0, thunderstorms 0, gales 0.
50-yr average number of days with rain during month 3.8